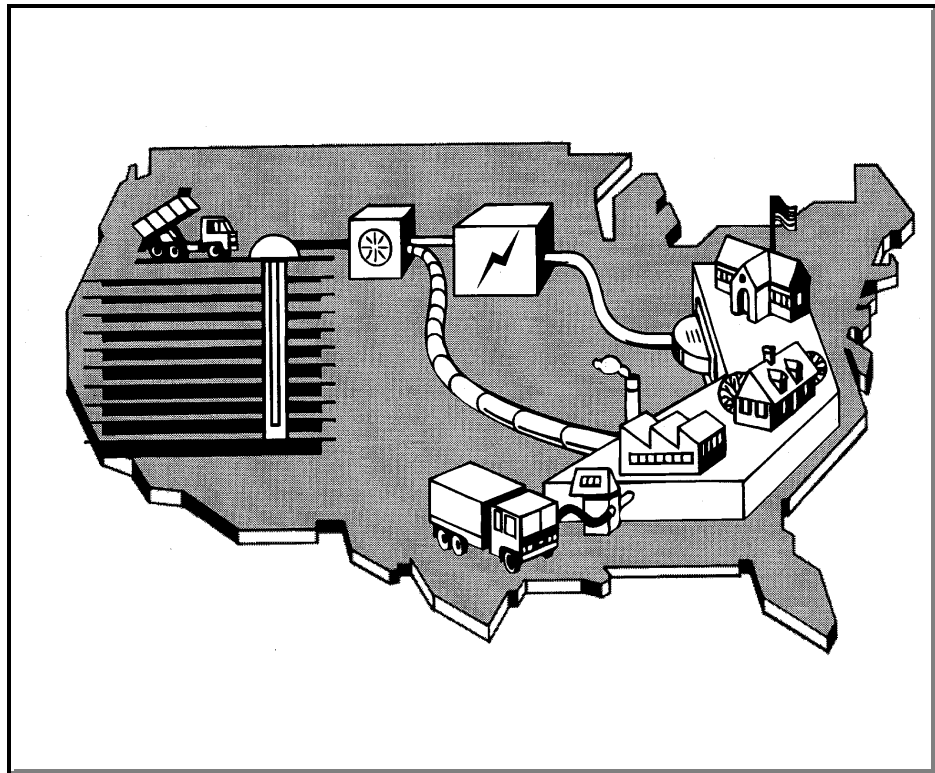




Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of North Carolina



EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.²

Shutdown:

- Landfill with shutdown LFGTE project.

Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

¹ Current projects illustrate the wide range of successful project development options.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



Exhibit 1: North Carolina MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	10	41	414	13	76,487	37,388	1,606,225	785,142
Candidate	36	95	952	30	176,063	0	3,697,313	0
Shutdown	1	0	1	0	102	0	2,146	0
Other	74	51	504	16	93,186	0	1,956,912	0
Unknown WIP	1							
Total	122	187	1,870	60	345,838	37,388	7,262,596	785,142

Exhibit 2: Potential North Carolina Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	326,760	268,190	180,335	2,065	1,726	0	230,330	189,045	127,116	2,096	1,102	1
Candidate	750,601	616,060	414,247	4,744	3,966	0	530,188	435,154	292,604	4,824	2,536	3
Shutdown	789	648	436	5	4	0	308	253	170	3	2	0
Other	398,585	327,139	219,974	2,520	2,106	0	280,619	230,320	154,870	2,554	1,342	1
Unknown WIP												
Total	1,476,736	1,212,037	814,991	9,334	7,802	0	1,041,445	854,771	574,759	9,476	4,980	6

Exhibit 3: Index of Landfills in North Carolina

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	Blackburn LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Buncombe County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	City of Greensboro LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	City of Winston-Salem LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	CMS Landfill V	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Cumberland County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Henderson County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Pitt County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Wake County Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Wilder's Grove Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Candidate	Alamance County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Avery County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Brunswick County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Cabarrus County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Caldwell County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	City of Albemarle LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	City of Durham LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	City of High Point LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Cleveland County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Columbus County, ARS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Craven County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Edgecombe County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Gaston County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Harnett County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	High Point-Guilford County	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Iredell County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Johnston County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Lee County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Lenoir County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Mecklenburg County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Nash County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	New Hanover County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Newton LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Orange Regional LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Piedmont SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Randolph County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Robeson County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Rockingham County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Sampson County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in North Carolina

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Candidate	Surry County LF 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Union County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	US Marine Corps Camp Lejeune	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Wake County LF 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Wayne County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Wilson County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Yancey/Mitchell County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Shutdown	Rowland LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shutdown
Other	Alexander County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Alleghany County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Anderson Creek LF Harnett County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Anson County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Ashe County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Austin Quarter SWM Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Beaufort County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bertie County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bladen County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Burke County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Canton LF-Haywood County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Carteret County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Caswell County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Chatham County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Cherokee County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Clay County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Cliffside South Rutherford County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	CRSWMA-Interim Regional LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Currituck County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Davidson County LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Davie County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Duplin County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	East Carolina Regional LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	East Lake LF-Dare County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Franklin County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Graham County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Granville County 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Granville County LF 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Greene County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Halifax County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Haywood County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in North Carolina

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	Haywood County White Oak LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Hertford County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Highlands LF-Macon County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Hoke County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Iredell County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Jackson County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Jones County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lincoln County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Macon County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Macon County LF Franklin	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Madison County LF 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Madison County LF 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	McDowell County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Montgomery County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Moore County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Northampton County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Onslow County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pamlico County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pasquotank County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pender County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Perquimans Chowan Gates Regional L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Polk County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Richmond County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Roaring River LF-Wilkes County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Rowan County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Roxboro LF-Person County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Rutherford County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Scotland County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Sorrells SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Stokes County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Surry County LF 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Swain County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Thomasville LF-Davidson County	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Transylvania County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Transylvania County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	US Army Fort Bragg	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Vance County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Wake County LF 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Warren County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Exhibit 3: Index of Landfills in North Carolina

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	Washington County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Western Carolina University	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Wilkes County LF 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Wilkes County LF 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	York Road Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Alamance County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Alamance County	Annual Acceptance Rate (tons):	108,476	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:	Swepsonville	Design Capacity (tons):		
City:	Burlington	Acres Currently Landfilled (acres):		
County:	Alamance	Average Depth (feet):		
State:	NC	1998 Waste-in-Place (tons):	2,278,000	
Year Open:	1971	1998 Waste-in-Place (tons):	2,278,000	
Year Closed:	1994			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.00		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		31	
Current Capacity:				
Planned Capacity:				
Utilities in County: Duke Power Co; Nantahala Power & Light Co; Piedmont Electric Member Corp; Randolph Electric M				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	5,785		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	121,491		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	24,468	155	17,422	159
Fuel Oil:	20,082	129	14,299	83
Natural Gas:	13,503	0	9,615	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Robert Mace	Alvin Cagle		
Mailing Address:	Route 5, Box 267	209 North Graham Hopedale		
Phone Number:	919-578-4200	919-578-2769		
Fax Number:				

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

1



Avery County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Avery County	Annual Acceptance Rate (tons):	3,560
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Spruce Pine	Acres Currently Landfilled (acres):	
County:	Avery	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	182,875
Year Open:	1972	1998 Waste-in-Place (tons):	182,875
Year Closed:	1993		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.06	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	0		2
Current Capacity:			
Planned Capacity:			
Utilities in County:		Mountain Electric Coop Inc; Tennessee Valley Authority	
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	374		0
CO2 Equivalent of CH4 Reduction (tons/yr):	7,848		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	1,579	10	1,125 10
Fuel Oil:	1,296	8	924 5
Natural Gas:	871	0	621 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Randall Fletcher	Dallas Cox	
Mailing Address:	PO Box 54	PO Box 640	
Phone Number:	704-733-5186	704-765-8201	
Fax Number:			

Blackburn LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Catawba County	Annual Acceptance Rate (tons):	144,450
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Catawba County LF	Design Capacity (tons):	
City:	Newton	Acres Currently Landfilled (acres):	
County:	Catawba	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,168,232
Year Open:	1981	1998 Waste-in-Place (tons):	2,439,261
Year Closed:	2007		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.04	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Duke Power		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		33
Current Capacity:			
Planned Capacity:	4.8		
Utilities in County: Crescent Elec Mem Corp; Duke Power Co; Maiden Electric Utility; Newton Electric Dept; Rutherford			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,024		0
CO2 Equivalent of CH4 Reduction (tons/yr):	126,500		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	26,046	165	18,140 165
Fuel Oil:	21,378	138	14,888 87
Natural Gas:	14,375	0	10,011 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dick Wyatt, City Engineer	Tommy London	
Mailing Address:	PO Box 389	PO Box 389	
Phone Number:	704-465-8263	704-465-8263	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

3



Brunswick County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	76,005
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Supply	Acres Currently Landfilled (acres):	
County:	Brunswick	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,063,573
Year Open:	1983	1998 Waste-in-Place (tons):	1,215,512
Year Closed:	1999		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.73	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:			
Utilities in County: Brunswick Electric Member Corp; Carolina Power & Light Company; Southeastern Power Admin; So			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,214		0
CO2 Equivalent of CH4 Reduction (tons/yr):	88,496		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,153	115	12,690 116
Fuel Oil:	14,899	96	10,416 61
Natural Gas:	10,019	0	7,004 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	William Yeltin	Darry Somerset	
Mailing Address:	PO Box 249	PO Box 249	
		PO Box 249	
Phone Number:	919-253-4331	919-253-4347	
Fax Number:			

Buncombe County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	96,753
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Asheville	Acres Currently Landfilled (acres):	80
County:	Buncombe	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	3,446,544
Year Open:	1971	1998 Waste-in-Place (tons):	3,877,362
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.41		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):	1.4		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Metropolitan Sewer District POTW		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		44
Current Capacity:			29
Planned Capacity:			
Utilities in County:	Carolina Power & Light Company; French Broad Elec Member Corp; Haywood Electric Member Cor		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	8,150		5,396
CO2 Equivalent of CH4 Reduction (tons/yr):	171,158		113,320
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	34,728	220	24,544 223
Fuel Oil:	28,503	184	20,145 117
Natural Gas:	19,166	0	13,546 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Bob Hunter	Marvin Waddy	
Mailing Address:	30 Valley Street	County Courthouse	
Phone Number:	704-255-5066	704-255-5066	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



CMS Landfill V		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	BFI	Annual Acceptance Rate (tons):	536,527
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Charlotte Motor Speedway LF	Design Capacity (tons):	
City:	Concord	Acres Currently Landfilled (acres):	
County:	Cabarrus	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,244,231
Year Open:	1992	1998 Waste-in-Place (tons):	3,141,924
Year Closed:			
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.22	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	City of Concord		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		38
Current Capacity:			
Planned Capacity:	1.0		
Utilities in County: Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,063		0
CO2 Equivalent of CH4 Reduction (tons/yr):	148,321		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	29,993	190	21,269 194
Fuel Oil:	24,617	159	17,457 102
Natural Gas:	16,553	0	11,738 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Harold Watson	Harold Watson	
Mailing Address:	5105 Morehead Drive	5105 Morehead Drive	
Phone Number:	704-782-2004	704-782-2004	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

6



Cabarrus County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Cabarrus County	Annual Acceptance Rate (tons):	61,248
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Concord	Acres Currently Landfilled (acres):	
County:	Cabarrus	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,368,822
Year Open:	1974	1998 Waste-in-Place (tons):	1,487,850
Year Closed:	2008		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.80	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		25
Current Capacity:			
Planned Capacity:			
Utilities in County:	Concord, City of; Crescent Elec Mem Corp; Duke Power Co; Union Electric Membership Corp		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,617		0
CO2 Equivalent of CH4 Reduction (tons/yr):	96,955		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	19,732	125	13,903 127
Fuel Oil:	16,195	104	11,411 67
Natural Gas:	10,890	0	7,673 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Bob Farris	Bob Farris	
Mailing Address:	715 Cabarrus Avenue	715 Cabarrus Avenue	
Phone Number:	704-782-3811	704-782-3811	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

7



Caldwell County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Caldwell County	Annual Acceptance Rate (tons):	68,030
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Hudson	Acres Currently Landfilled (acres):	
County:	Caldwell	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,214,795
Year Open:	1975	1998 Waste-in-Place (tons):	1,214,796
Year Closed:	1994		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.73	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:			
Utilities in County: Blue Ridge Elec Member Corp; Carolina Power & Light Company; Duke Power Co; Granite Falls El			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,213		0
CO2 Equivalent of CH4 Reduction (tons/yr):	88,475		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,153	115	12,687 115
Fuel Oil:	14,899	96	10,413 61
Natural Gas:	10,019	0	7,002 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Floyd Ingle	Floyd Ingle	
Mailing Address:	PO Box 2200	PO Box 2200	
Phone Number:	704-728-2866	704-728-2866	
Fax Number:			

* Italicized indicates values estimated by EPA.



City of Albemarle LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Albemarle	Annual Acceptance Rate (tons):	60,429
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Albemarle	Acres Currently Landfilled (acres):	
County:	Stanly	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,523,736
Year Open:	1973	1998 Waste-in-Place (tons):	1,650,714
Year Closed:	2007		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.84	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:			
Utilities in County: Albemarle Elec Dis Syst; Duke Power Co; Pee Dee Electric Member Corp; Union Electric Membersh			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,858		0
CO2 Equivalent of CH4 Reduction (tons/yr):	102,012		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	20,521	130	14,628 133
Fuel Oil:	16,843	108	12,006 70
Natural Gas:	11,325	0	8,073 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	James Coble, Public Works Director	James Coble	
Mailing Address:	PO Box 190	PO Box 190	
Phone Number:	704-982-0131	704-982-0131	
Fax Number:			

City of Durham LF		Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	206,575
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Durham Township LF	Design Capacity (tons):	
City:	Durham City	Acres Currently Landfilled (acres):	
County:	Durham	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	4,957,416
Year Open:	1973	1998 Waste-in-Place (tons):	4,957,416
Year Closed:	1996		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.69		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		53
Current Capacity:			
Planned Capacity:			
Utilities in County:	Duke Power Co; Piedmont Electric Member Corp; Southeastern Power Admin; Wake Electric Memb		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	9,748		0
CO2 Equivalent of CH4 Reduction (tons/yr):	204,700		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	41,832	264	29,354 267
Fuel Oil:	34,334	221	24,092 140
Natural Gas:	23,086	0	16,200 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Nancy Newell	Tom Bastable	
Mailing Address:	101 City Hall Plaza	101 City Hall Plaza	
Phone Number:	919-560-4185	919-560-4185	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



City of Greensboro LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of Greensboro	Annual Acceptance Rate (tons):	285,068
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Greensboro	Acres Currently Landfilled (acres):	272
County:	Guilford	Average Depth (feet):	85
State:	NC	Waste-in-Place (tons):	7,616,175
Year Open:	1972	1998 Waste-in-Place (tons):	8,225,469
Year Closed:	2013		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		2.52	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		Yes	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Medium Btu		
Utilization System Start Year:	1997		
Electric Utility Provider(s):	Duke Energy		
Natural Gas Provider(s):	Piedmont Natural Gas		
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	8		79
Current Capacity:			
Planned Capacity:			
Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Adm			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	14,580		0
CO2 Equivalent of CH4 Reduction (tons/yr):	306,188		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	62,353	394	43,907 400
Fuel Oil:	51,176	329	36,037 210
Natural Gas:	34,412	0	24,232 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Frank Coggins	Frank Coggins	
Mailing Address:	PO Box 3136	2503 White Street	
Phone Number:	910-373-2035	336-375-2244	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



City of High Point LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	City of High Point	Annual Acceptance Rate (tons):	83,751
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	High Point	Acres Currently Landfilled (acres):	
County:	Guilford	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,256,265
Year Open:	1980	1998 Waste-in-Place (tons):	1,256,265
Year Closed:	1994		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.74	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:			
Utilities in County: Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Adm			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,274		0
CO2 Equivalent of CH4 Reduction (tons/yr):	89,762		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,153	115	12,872 117
Fuel Oil:	14,899	96	10,565 62
Natural Gas:	10,019	0	7,104 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Perry Kairis	John Butcher	
Mailing Address:	PO Box 230	PO Box 230	
Phone Number:	910-883-3215	919-883-3433	
Fax Number:			

* Italicized indicates values estimated by EPA.



City of Winston-Salem LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	258,632
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Winston-Salem	Acres Currently Landfilled (acres):	
County:	Forsyth	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	5,258,571
Year Open:	1974	1998 Waste-in-Place (tons):	5,715,838
Year Closed:	1999		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.88		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.8		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1996		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		59
Current Capacity:	4.3		58
Planned Capacity:			
Utilities in County:	Davidson Electric Member Corp; Duke Power Co; Surry-Yadkin Elec Member Corp; Tennessee Vall		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	10,869		10,792
CO2 Equivalent of CH4 Reduction (tons/yr):	228,253		226,638
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	46,567	294	32,731 298
Fuel Oil:	38,220	246	26,864 157
Natural Gas:	25,700	0	18,064 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dan Miles	Dan Miles	
Mailing Address:	PO Box 2511	PO Box 2511	
Phone Number:	910-727-8418	919-727-8418	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Cleveland County LF		Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Cleveland County	Annual Acceptance Rate (tons):	65,879
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Shelby	Acres Currently Landfilled (acres):	
County:	Cleveland	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,431,213
Year Open:	1976	1998 Waste-in-Place (tons):	1,567,519
Year Closed:	2017		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.82	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:			
Utilities in County: Broad River Elec Coop Inc; Duke Power Co; Kings Mountain Muni Elec System; Rutherford Elec Me			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,735		0
CO2 Equivalent of CH4 Reduction (tons/yr):	99,429		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	20,521	130	14,258 130
Fuel Oil:	16,843	108	11,702 68
Natural Gas:	11,325	0	7,869 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Marty Allen	James McNeilly	
Mailing Address:	PO Box 1210	PO Box 1210	
Phone Number:	704-482-9061	704-482-9061	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Columbus County, ARS			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Chambers Waste Systems	Annual Acceptance Rate (tons):	88,447	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Columbus County LF	Design Capacity (tons):		
City:	Whiteville	Acres Currently Landfilled (acres):		
County:	Columbus	Average Depth (feet):		
State:	NC	Waste-in-Place (tons):	1,285,344	
Year Open:	1973	1998 Waste-in-Place (tons):	1,285,344	
Year Closed:	1996			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.75		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		23	
Current Capacity:				
Planned Capacity:				
Utilities in County: Brunswick Electric Member Corp; Carolina Power & Light Company; Four County Elec Member Cor				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,317		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	90,665		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,153	115	13,001	118
Fuel Oil:	14,899	96	10,671	62
Natural Gas:	10,019	0	7,175	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Wade Jernigan	Wade Jernigan		
Mailing Address:	PO Box 297	PO Box 1326		
Phone Number:	910-642-6099	919-642-6099		
Fax Number:				

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

15



Craven County LF		Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Craven County	Annual Acceptance Rate (tons):	19,659
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	
County:	Craven	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	985,028
Year Open:	1982	1998 Waste-in-Place (tons):	1,116,365
Year Closed:	2012		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.70	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		22
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Carteret-Craven El Member Corp; Jones-Onslow Elec Member C			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,068		0
CO2 Equivalent of CH4 Reduction (tons/yr):	85,418		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	17,364	110	12,249 112
Fuel Oil:	14,252	92	10,053 59
Natural Gas:	9,583	0	6,760 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Kenneth Chase	George Sawyer	
Mailing Address:	PO Box 1425 Administration Building	PO Box 1425 Administration Building	
Phone Number:	919-633-6822	919-636-6600	
Fax Number:			

Cumberland County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	178,480
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Fayetteville	Acres Currently Landfilled (acres):	
County:	Cumberland	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,948,331
Year Open:	1980	1998 Waste-in-Place (tons):	3,295,195
Year Closed:	2032		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.26		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):	1.8		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Cargill Incorporated		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		39
Current Capacity:			38
Planned Capacity:			
Utilities in County:	Carolina Power & Light Company; Fayetteville Pub Wks Comm; Lumbee River Elec Member Corp; S		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,290		6,938
CO2 Equivalent of CH4 Reduction (tons/yr):	153,080		145,696
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	30,782	195	21,952 200
Fuel Oil:	25,264	163	18,017 105
Natural Gas:	16,988	0	12,115 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Larry Carter	Larry Carter	
Mailing Address:	698 Ann Street	698 Ann Street	
Phone Number:	910-483-4897	919-483-4897	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Edgecombe County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Edgecombe County	Annual Acceptance Rate (tons):	73,759
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Tarboro	Acres Currently Landfilled (acres):	
County:	Edgecombe	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,870,499
Year Open:	1971	1998 Waste-in-Place (tons):	2,014,384
Year Closed:	2007		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.93	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		29
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Edgecombe-Martin County EMC; Macclesfield Elec Dept; Pineto			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,396		0
CO2 Equivalent of CH4 Reduction (tons/yr):	113,306		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,889	145	16,248 148
Fuel Oil:	18,786	121	13,335 78
Natural Gas:	12,632	0	8,967 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Larry Hathaway	Larry Hathaway	
Mailing Address:	201 St. Andrews Street	201 St. Andrews Street	
Phone Number:	919-827-4253	919-827-4253	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Gaston County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Gaston County	Annual Acceptance Rate (tons):	130,097	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Hardin Site	Design Capacity (tons):		
City:	Dallas	Acres Currently Landfilled (acres):		
County:	Gaston	Average Depth (feet):		
State:	NC	Waste-in-Place (tons):	1,634,226	
Year Open:	1986	1998 Waste-in-Place (tons):	1,931,358	
Year Closed:	2004			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.91		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		29	
Current Capacity:				
Planned Capacity:				
Utilities in County: Cherryville Electric Dept; Crescent Elec Mem Corp; Dallas Electric Dept; Duke Power Co; Gastonia				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	5,273		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	110,727		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	22,100	140	15,878	145
Fuel Oil:	18,139	117	13,032	76
Natural Gas:	12,197	0	8,763	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	William Beasley	William Beasley		
Mailing Address:	PO Box 1578	PO Box 1578		
Phone Number:	704-866-3100	704-866-3100		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Harnett County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Harnett County	Annual Acceptance Rate (tons):	55,254	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Harnett County Dunn/Erwin LF	Design Capacity (tons):		
City:	Dunn/Erwin	Acres Currently Landfilled (acres):		
County:	Harnett	Average Depth (feet):		
State:	NC	Waste-in-Place (tons):	1,154,018	
Year Open:	1976	1998 Waste-in-Place (tons):	1,263,926	
Year Closed:	2017			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.74		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		23	
Current Capacity:				
Planned Capacity:				
Utilities in County: Carolina Power & Light Company; Central Electric Member Corp; South River Elec Member Corp; S				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,286		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	90,000		0	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,153	115	12,906	117
Fuel Oil:	14,899	96	10,593	62
Natural Gas:	10,019	0	7,123	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Jerry Blanchard	Jerry Blanchard		
Mailing Address:	Harnett County Office Building	Harnett County Office Building		
Phone Number:	910-893-7536	919-893-7536		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Henderson County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Henderson County	Annual Acceptance Rate (tons):	73,008
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Henderson County, Stony Mountain SLF	Design Capacity (tons):	
City:	Hendersonville	Acres Currently Landfilled (acres):	60
County:	Henderson	Average Depth (feet):	100
State:	NC	1998 Waste-in-Place (tons):	2,100,000
Year Open:	1965	1998 Waste-in-Place (tons):	2,100,000
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.90		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.3		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Seneca Foods		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		28
Current Capacity:			6
Planned Capacity:			
Utilities in County:	Duke Power Co; Southeastern Power Admin		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,231		1,156
CO2 Equivalent of CH4 Reduction (tons/yr):	109,851		24,282
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,100	140	15,752 143
Fuel Oil:	18,139	117	12,929 75
Natural Gas:	12,197	0	8,694 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Gary Corn	Elden Owen	
Mailing Address:	802 Stony Mountain Road	802 Stony Mountain Road	
Phone Number:	704-697-4505	704-697-4715	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



High Point-Guilford County			Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	City of High Point	Annual Acceptance Rate (tons):	19,335	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	High Point LF-Guilford County	Design Capacity (tons):		
City:	High Point	Acres Currently Landfilled (acres):	150	
County:	Guilford	Average Depth (feet):	75	
State:	NC	1994 Waste-in-Place (tons):	2,640,000	
Year Open:	1974	1998 Waste-in-Place (tons):	2,640,000	
Year Closed:	1993			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.09		
LFG Collection System Status:		Operational		
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Planned			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		34	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Davidson Electric Member Corp; Duke Power Co; High Point Electric Dept; Southeastern Power Adm			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	6,321		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	132,733		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	26,835	170	19,034	173
Fuel Oil:	22,025	142	15,622	91
Natural Gas:	14,810	0	10,505	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:		John Butcher		
Mailing Address:	PO Box 230	5873 Riverdale Road		
Phone Number:		919-885-0914		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Iredell County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Iredel County	Annual Acceptance Rate (tons):	31,227
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Statesville	Acres Currently Landfilled (acres):	
County:	Iredell	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,280,900
Year Open:	1975	1998 Waste-in-Place (tons):	2,488,255
Year Closed:	2012		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.05	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Accuma		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		33
Current Capacity:			
Planned Capacity:			
Utilities in County: Crescent Elec Mem Corp; Duke Power Co; Statesville Light Dept			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,096		0
CO2 Equivalent of CH4 Reduction (tons/yr):	128,020		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	26,046	165	18,358 167
Fuel Oil:	21,378	138	15,067 88
Natural Gas:	14,375	0	10,132 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Joel Mashburn		
Mailing Address:	PO Box 788	County Office Building	
Phone Number:	704-872-9501	704-872-9501	
Fax Number:			

* Italicized indicates values estimated by EPA.



Johnston County LF		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	Johnston County	Annual Acceptance Rate (tons): 74,151
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported: 1993
Alternative Landfill Name:		Design Capacity (tons):
City:	Selma	Acres Currently Landfilled (acres):
County:	Johnston	Average Depth (feet):
State:	NC	Waste-in-Place (tons): 1,708,932
Year Open:	1973	1998 Waste-in-Place (tons): 1,780,138
Year Closed:	1997	
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):		0.87
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:		No
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Potential	
Utilization System Type:	Unknown	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3	27
Current Capacity:		
Planned Capacity:		
Utilities in County: Benson Electric Dept; Carolina Power & Light Company; Clayton Electric Dept; Selma Muni Light &		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	5,049	0
CO2 Equivalent of CH4 Reduction (tons/yr):	106,031	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i> CO2 (tons/yr) SO2 (tons/yr)	<i>Direct Use Project</i> CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311 135	15,205 138
Fuel Oil:	17,491 113	12,479 73
Natural Gas:	11,761 0	8,391 0
E. CONTACT INFORMATION		
Landfill Owner		Landfill Operator
Contact Name:	Haywood Phthic	Haywood Phthic
Mailing Address:	PO Box 1052	PO Box 1052
Phone Number:	919-989-5075	919-989-5075
Fax Number:		

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

24



Lee County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Lee County	Annual Acceptance Rate (tons):	13,548
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Lemon Springs	Acres Currently Landfilled (acres):	
County:	Lee	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	935,481
Year Open:	1972	1998 Waste-in-Place (tons):	1,010,321
Year Closed:	1999		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.68	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		21
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Central Electric Member Corp; Southeastern Power Admin			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	3,911		0
CO2 Equivalent of CH4 Reduction (tons/yr):	82,125		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	16,575	105	11,777 107
Fuel Oil:	13,604	88	9,666 56
Natural Gas:	9,147	0	6,499 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	John Payne	Bobby Johnston	
Mailing Address:	PO Box 89	PO Box 89	
		SR 1177	
Phone Number:	919-499-2311	919-499-2311	
Fax Number:			

* Italicized indicates values estimated by EPA.

Lenoir County LF		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:		Annual Acceptance Rate (tons): 71,569
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported: 1993
Alternative Landfill Name:		Design Capacity (tons):
City:	La Grange	Acres Currently Landfilled (acres):
County:	Lenoir	Average Depth (feet):
State:	NC	Waste-in-Place (tons): 1,093,204
Year Open:	1981	1998 Waste-in-Place (tons): 1,229,855
Year Closed:	1999	
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):	0.73	
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:	No	
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Unknown	
Utilization System Type:	Unknown	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2	23
Current Capacity:		
Planned Capacity:		
Utilities in County:	Carolina Power & Light Company; Jones-Onslow Elec Member Corp; Kinston Public Utilities; La Gr	
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	4,235	0
CO2 Equivalent of CH4 Reduction (tons/yr):	88,941	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i> <div style="display: flex; justify-content: space-around;"> <div>CO2 (tons/yr)</div> <div>SO2 (tons/yr)</div> </div>	<i>Direct Use Project</i> <div style="display: flex; justify-content: space-around;"> <div>CO2 (tons/yr)</div> <div>SO2 (tons/yr)</div> </div>
Coal:	18,153	115
Fuel Oil:	14,899	96
Natural Gas:	10,019	0
E. CONTACT INFORMATION		
	Landfill Owner	Landfill Operator
Contact Name:	Bob Brafford	Larry Jones
Mailing Address:	PO Box 757	Route 4, Box 187
Phone Number:	919-527-2191	919-566-4194
Fax Number:		

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

26



Mecklenburg County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Mecklenburg County	Annual Acceptance Rate (tons):	176,697	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:	Harrisburg Road LF	Design Capacity (tons):		
City:		Acres Currently Landfilled (acres):		
County:	Mecklenburg	Average Depth (feet):		
State:	NC	1998 Waste-in-Place (tons):	3,710,642	
Year Open:	1973	1998 Waste-in-Place (tons):	3,710,642	
Year Closed:	1996			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		1.37		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		Yes		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):	Duke Power			
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	4		43	
Current Capacity:				
Planned Capacity:				
Utilities in County: Cornelius Munic Elec Light System; Crescent Elec Mem Corp; Davidson Electric Member Corp; Duk				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	7,904		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	165,982		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	33,939	215	23,802	217
Fuel Oil:	27,856	179	19,535	114
Natural Gas:	18,730	0	13,136	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Scott Brown	Eddie Allen		
Mailing Address:	700 North Tryon Street	700 North Tryon Street		
Phone Number:	704-336-6513	704-575-6583		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Nash County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Nash County	Annual Acceptance Rate (tons):	81,646
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Nashville	Acres Currently Landfilled (acres):	
County:	Nash	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,669,484
Year Open:	1976	1998 Waste-in-Place (tons):	1,748,985
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.87	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Edgecombe-Martin County EMC; Halifax Electric Member Corp;			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,003		0
CO2 Equivalent of CH4 Reduction (tons/yr):	105,063		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311	135	15,066 137
Fuel Oil:	17,491	113	12,365 72
Natural Gas:	11,761	0	8,315 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Greg Griffin	David Thompson	
Mailing Address:	PO Box 849	PO Box 849	
Phone Number:	919-459-9899	919-459-9899	
Fax Number:			

* Italicized indicates values estimated by EPA.

New Hanover County LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	New Hanover County	Annual Acceptance Rate (tons):	113,000	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998	
Alternative Landfill Name:		Design Capacity (tons):		
City:	Wilmington	Acres Currently Landfilled (acres):	60	
County:	New Hanover	Average Depth (feet):	70	
State:	NC	Waste-in-Place (tons):	1,478,300	
Year Open:	1981	1998 Waste-in-Place (tons):	1,663,088	
Year Closed:	2042			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.84		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		Yes		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Potential			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):	Carolina Power & Light			
Natural Gas Provider(s):	NC Natural Gas			
Energy Purchaser(s):	Takeda Chemical, USA ;Hoechst Celanese			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		26	
Current Capacity:				
Planned Capacity:				
Utilities in County: Carolina Power & Light Company; Southeastern Power Admin				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,876		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	102,396		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	20,521	130	14,683	134
Fuel Oil:	16,843	108	12,052	70
Natural Gas:	11,325	0	8,104	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Ray Church	Paul Marlow		
Mailing Address:	3002 Highway 421 North	5210 US Highway 421		
Phone Number:	910-341-4340	910-341-4340		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Newton LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Catawba County	Annual Acceptance Rate (tons):	144,450
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Newton	Acres Currently Landfilled (acres):	
County:	Catawba	Average Depth (feet):	
State:	NC	1998 Waste-in-Place (tons):	2,168,232
Year Open:	1981	1998 Waste-in-Place (tons):	2,168,232
Year Closed:	1990		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.97	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Duke Power		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		30
Current Capacity:			
Planned Capacity:	2.5		
Utilities in County: Crescent Elec Mem Corp; Duke Power Co; Maiden Electric Utility; Newton Electric Dept; Rutherford			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,623		0
CO2 Equivalent of CH4 Reduction (tons/yr):	118,083		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	23,678	150	16,933 154
Fuel Oil:	19,434	125	13,898 81
Natural Gas:	13,068	0	9,345 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dick Wyatt, City Engineer	Barry Edwards	
Mailing Address:	PO Box 389	PO Box 389	
Phone Number:	704-465-8263	828-465-8260	
Fax Number:			

* Italicized indicates values estimated by EPA.

Orange Regional LF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:		Annual Acceptance Rate (tons):	121,345	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):		
City:	Chapel Hill	Acres Currently Landfilled (acres):	75	
County:	Orange	Average Depth (feet):	30	
State:	NC	1998 Waste-in-Place (tons):	1,600,000	
Year Open:	1972	1998 Waste-in-Place (tons):	1,600,000	
Year Closed:	1994			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):	0.83			
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:	No			
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Planned			
Utilization System Type:	Unknown			
Utilization System Start Year:	2000			
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		26	
Current Capacity:				
Planned Capacity:				
Utilities in County:	Duke Power Co; Piedmont Electric Member Corp; Southeastern Power Admin			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,783		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	100,437		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	20,521	130	14,403	131
Fuel Oil:	16,843	108	11,821	69
Natural Gas:	11,325	0	7,949	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Gayle Wilson	Harold Harris		
Mailing Address:	306 North Columbia Street	306 North Columbia Street		
Phone Number:	919-968-2885	919-929-9823		
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Piedmont SLF		Landfill Category:	Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	350,509
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Kernersville	Acres Currently Landfilled (acres):	
County:	Forsyth	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	959,464
Year Open:	1992	1998 Waste-in-Place (tons):	1,343,250
Year Closed:	2016		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.76		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		24
Current Capacity:			
Planned Capacity:			
Utilities in County:	City of Lake Lure; Davidson Electric Member Corp; Duke Power Co; North Carolina Electric Membe		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,403		0
CO2 Equivalent of CH4 Reduction (tons/yr):	92,463		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,943	120	13,259 121
Fuel Oil:	15,547	100	10,883 63
Natural Gas:	10,454	0	7,318 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Bill Lewis	Bill Lewis	
Mailing Address:	9900 Freedman Road	9900 Freedman Road	
Phone Number:	910-595-6677	919-595-6677	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Pitt County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	125,313
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Greenville	Acres Currently Landfilled (acres):	85
County:	Pitt	Average Depth (feet):	40
State:	NC	Waste-in-Place (tons):	3,064,206
Year Open:	1974	1998 Waste-in-Place (tons):	2,808,857
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.14		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):	1.4		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pitt County Memorial Hospital		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		36
Current Capacity:			29
Planned Capacity:			
Utilities in County:	Ayden Electric Dept; Carolina Power & Light Company; Davidson Electric Member Corp; Edgecomb		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,570		5,396
CO2 Equivalent of CH4 Reduction (tons/yr):	137,976		113,320
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	28,414	180	19,786 180
Fuel Oil:	23,321	150	16,239 95
Natural Gas:	15,681	0	10,920 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	John Weaver	Phil Dickerson	
Mailing Address:	1717 West 5th Street	1717 West 5th Street	
Phone Number:	919-830-6354	919-830-6325	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

33



Randolph County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Randolph County	Annual Acceptance Rate (tons):	74,677
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Asheboro	Acres Currently Landfilled (acres):	
County:	Randolph	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,815,420
Year Open:	1973	1998 Waste-in-Place (tons):	1,966,705
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.92	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		29
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Central Electric Member Corp; Davidson Electric Member Corp;			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,325		0
CO2 Equivalent of CH4 Reduction (tons/yr):	111,825		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	22,889	145	16,036 146
Fuel Oil:	18,786	121	13,161 77
Natural Gas:	12,632	0	8,850 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	David Townsend	J.D. Smith	
Mailing Address:	PO Box 4728	PO Box 4728	
Phone Number:	910-318-6606	919-318-6606	
Fax Number:			

* Italicized indicates values estimated by EPA.

Robeson County LF		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:		Annual Acceptance Rate (tons): 80,588
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported: 1993
Alternative Landfill Name:		Design Capacity (tons):
City:	St. Pauls	Acres Currently Landfilled (acres):
County:	Robeson	Average Depth (feet):
State:	NC	Waste-in-Place (tons): 1,009,134
Year Open:	1985	1998 Waste-in-Place (tons): 1,177,323
Year Closed:	2012	
B. LANDFILL GAS COLLECTION		
Estimated Methane Generation (mmscf/d):		0.72
LFG Collection System Status:		
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:		No
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Unknown	
Utilization System Type:	Unknown	
Utilization System Start Year:		
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):		
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2	23
Current Capacity:		
Planned Capacity:		
Utilities in County: Brunswick Electric Member Corp; Carolina Power & Light Company; Duke Power Co; Lumbee Rive		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	<i>Current</i>
Methane Reduction (tons/yr):	4,158	0
CO2 Equivalent of CH4 Reduction (tons/yr):	87,310	0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i> CO2 (tons/yr) SO2 (tons/yr)	<i>Direct Use Project</i> CO2 (tons/yr) SO2 (tons/yr)
Coal:	17,364 110	12,520 114
Fuel Oil:	14,252 92	10,276 60
Natural Gas:	9,583 0	6,910 0
E. CONTACT INFORMATION		
Landfill Owner		Landfill Operator
Contact Name:	W.C. Baxley	W.C. Baxley
Mailing Address:	Route 2, Box 545 PO Box 366	Route 2, Box 545
Phone Number:	800-682-2014	800-682-2014
Fax Number:		

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

35



Rockingham County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	77,891
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Wentworth	Acres Currently Landfilled (acres):	
County:	Rockingham	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,357,483
Year Open:	1972	1998 Waste-in-Place (tons):	1,357,483
Year Closed:	1994		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.77	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		24
Current Capacity:			
Planned Capacity:			
Utilities in County: Davidson Electric Member Corp; Duke Power Co; French Broad Elec Member Corp; Southeastern Po			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,424		0
CO2 Equivalent of CH4 Reduction (tons/yr):	92,906		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,943	120	13,323 121
Fuel Oil:	15,547	100	10,935 64
Natural Gas:	10,454	0	7,353 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Mike McDaniel	Hugh Griffin	
Mailing Address:	PO Box 211	Route 8, Box 701 E	
Phone Number:	919-342-8104	919-342-8180	
Fax Number:			

* Italicized indicates values estimated by EPA.

Rowland LF		Landfill Category: Shutdown	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Roland Landfill, Inc.	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Raleigh	Acres Currently Landfilled (acres):	25
County:	Wake	Average Depth (feet):	40
State:	NC	1994 Waste-in-Place (tons):	50,000
Year Open:	1977	1998 Waste-in-Place (tons):	50,000
Year Closed:	1978		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.02		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1984		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Carolina Power & Light Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	0		1
Current Capacity:			
Planned Capacity:	0.17		0
Utilities in County:	Apex Lighting Dept; Carolina Power & Light Company; Duke Power Co; Southeastern Power Admin		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	102		0
CO2 Equivalent of CH4 Reduction (tons/yr):	2,146		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	789	5	308 3
Fuel Oil:	648	4	253 2
Natural Gas:	436	0	170 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			919-876-1877
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Sampson County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	97,004
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Roseboro	Acres Currently Landfilled (acres):	
County:	Sampson	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,156,975
Year Open:	1974	1998 Waste-in-Place (tons):	1,207,279
Year Closed:	1997		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.73		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:			
Utilities in County:	Carolina Power & Light Company; Central Electric Member Corp; Four County Elec Member Corp; S		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,202		0
CO2 Equivalent of CH4 Reduction (tons/yr):	88,240		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	18,153	115	12,654 115
Fuel Oil:	14,899	96	10,386 61
Natural Gas:	10,019	0	6,983 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dave Craddock	Terry Gautney	
Mailing Address:	P.O. Box 2096	Route 1, Box 586-B	
Phone Number:	910-525-4132	919-525-4132	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Surry County LF 1			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Surry County	Annual Acceptance Rate (tons):	52,260	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:	Surry County Mt. Airy LF	Design Capacity (tons):		
City:	Mt. Airy	Acres Currently Landfilled (acres):		
County:	Surry	Average Depth (feet):		
State:	NC	Waste-in-Place (tons):	1,243,631	
Year Open:	1972	1998 Waste-in-Place (tons):	1,343,123	
Year Closed:	2002			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.76		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	2		24	
Current Capacity:				
Planned Capacity:				
Utilities in County: Duke Power Co; Surry-Yadkin Elec Member Corp; Tennessee Valley Authority				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	4,403		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	92,459		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,943	120	13,259	121
Fuel Oil:	15,547	100	10,882	63
Natural Gas:	10,454	0	7,317	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Jerry Snow	Jerry Snow		
Mailing Address:	PO Box 706	PO Box 706		
Phone Number:	910-374-5745	919-374-5745		
Fax Number:				

* Italicized indicates values estimated by EPA.



US Marine Corps Camp Lejeune			Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	U.S. Marine Corps	Annual Acceptance Rate (tons):	46,533
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Jacksonville	Acres Currently Landfilled (acres):	
County:	Onslow	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,299,515
Year Open:	1978	1998 Waste-in-Place (tons):	1,231,119
Year Closed:	1995		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.73	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		23
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Carteret-Craven El Member Corp; Jones-Onslow Elec Member C			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		Current
Methane Reduction (tons/yr):	4,237		0
CO2 Equivalent of CH4 Reduction (tons/yr):	88,981		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
Coal:	18,153	115	12,760 116
Fuel Oil:	14,899	96	10,473 61
Natural Gas:	10,019	0	7,042 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	, Commanding General		
Mailing Address:	US Marine Corps Camp Lejeune PSC Box 20004	MCB	
Phone Number:	910-451-5878	919-451-5003	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

40



Union County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Union County	Annual Acceptance Rate (tons):	84,001
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Monroe	Acres Currently Landfilled (acres):	
County:	Union	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,130,144
Year Open:	1972	1998 Waste-in-Place (tons):	2,300,557
Year Closed:			
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.01	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		32
Current Capacity:			
Planned Capacity:			
Utilities in County: Duke Power Co; Monroe Electric Dept; Pee Dee Electric Member Corp; Southeastern Power Admin;			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,819		0
CO2 Equivalent of CH4 Reduction (tons/yr):	122,193		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	24,468	155	17,522 159
Fuel Oil:	20,082	129	14,381 84
Natural Gas:	13,503	0	9,670 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Mike Shalati	Mike Shalati	
Mailing Address:	PO Box 987 Union County Public Works	PO Box 987 Union County Public Works	
Phone Number:	704-283-3819	704-283-3819	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Wake County LF 2		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Wake County	Annual Acceptance Rate (tons):	119,382
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Wake County South LF	Design Capacity (tons):	
City:	Raleigh	Acres Currently Landfilled (acres):	
County:	Wake	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	1,786,691
Year Open:	1984	1998 Waste-in-Place (tons):	2,061,567
Year Closed:	2003		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.95	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		30
Current Capacity:			
Planned Capacity:			
Utilities in County: Apex Lighting Dept; Carolina Power & Light Company; Duke Power Co; Southeastern Power Admin			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,465		0
CO2 Equivalent of CH4 Reduction (tons/yr):	114,771		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	23,678	150	16,458 150
Fuel Oil:	19,434	125	13,508 79
Natural Gas:	13,068	0	9,083 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Phil Carter	Phil Carter	
Mailing Address:	PO Box 550 Solid Waste Department	PO Box 550	
Phone Number:	919-856-6186	919-856-6186	
Fax Number:			

* Italicized indicates values estimated by EPA.



Wake County Landfill		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Raleigh	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	NC	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			
B. LANDFILL GAS COLLECTION			
<i>Estimated Methane Generation (mmscf/d):</i>			
LFG Collection System Status:			
Current LFG Collected (mmscf/d):		1.4	
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Mallinckrodt Chemical		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			
Current Capacity:			29
Planned Capacity:			
Utilities in County:			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
<i>Methane Reduction (tons/yr):</i>			
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
<i>Coal:</i>			
<i>Fuel Oil:</i>			
<i>Natural Gas:</i>			
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		919-856-6186	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

43



Wayne County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	92,545
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Dudley	Acres Currently Landfilled (acres):	
County:	Wayne	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,416,380
Year Open:	1973	1998 Waste-in-Place (tons):	2,617,745
Year Closed:	2012		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.09	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		34
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; Fremont Light & Water Dept; Pikeville Electric Dept; Pitt & Gree			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,288		0
CO2 Equivalent of CH4 Reduction (tons/yr):	132,042		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	26,835	170	18,935 172
Fuel Oil:	22,025	142	15,541 91
Natural Gas:	14,810	0	10,450 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Dan McGraw, Solid Waste Manager	Lloyd Cook	
Mailing Address:	460 B South Landfill Road	115 South William Street	
Phone Number:	919-689-2994	919-689-2994	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

Wilder's Grove Landfill		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	268,428
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	City of Raleigh LF	Design Capacity (tons):	
City:	Raleigh	Acres Currently Landfilled (acres):	125
County:	Wake	Average Depth (feet):	100
State:	NC	1994 Waste-in-Place (tons):	4,535,930
Year Open:	1972	1998 Waste-in-Place (tons):	5,607,790
Year Closed:	2002		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.85		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	2.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1995		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Ajinomoto USA, Inc.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		58
Current Capacity:			42
Planned Capacity:			
Utilities in County:	Apex Lighting Dept; Carolina Power & Light Company; Duke Power Co; Southeastern Power Admin		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	10,709		7,709
CO2 Equivalent of CH4 Reduction (tons/yr):	224,897		161,885
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	45,778	289	32,250 293
Fuel Oil:	37,573	242	26,469 154
Natural Gas:	25,264	0	17,798 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Jimmy Johnson	Jimmy Johnson	
Mailing Address:	PO Box 590	PO Box 590	
Phone Number:	919-831-6890	919-831-6890	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Wilson County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Wilson County	Annual Acceptance Rate (tons):	123,875
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Wilson	Acres Currently Landfilled (acres):	
County:	Wilson	Average Depth (feet):	
State:	NC	Waste-in-Place (tons):	2,826,258
Year Open:	1973	1998 Waste-in-Place (tons):	2,826,259
Year Closed:	1996		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.14	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Wrangler Corp.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		36
Current Capacity:			
Planned Capacity:			
Utilities in County: Black Creek Electric Dept; Carolina Power & Light Company; Edgecombe-Martin County EMC; Luc			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,596		0
CO2 Equivalent of CH4 Reduction (tons/yr):	138,518		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	28,414	180	19,863 181
Fuel Oil:	23,321	150	16,303 95
Natural Gas:	15,681	0	10,962 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Steve Clayton, WCAC&LEC	Marvin Mercer	
Mailing Address:	PO Box 1728	1900 Goldshore Street	
Phone Number:	919-399-2823	919-399-2823	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Yancey/Mitchell County LF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Yancey County	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	6
County:	Yancey	Average Depth (feet):	50
State:	NC	1998 Waste-in-Place (tons):	384,804
Year Open:	1973	1998 Waste-in-Place (tons):	384,804
Year Closed:	1994		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.14	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	0		4
Current Capacity:			
Planned Capacity:			
Utilities in County: Carolina Power & Light Company; French Broad Elec Member Corp; Tennessee Valley Authority			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	786		0
CO2 Equivalent of CH4 Reduction (tons/yr):	16,512		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	3,157	20	2,368 22
Fuel Oil:	2,591	17	1,943 11
Natural Gas:	1,742	0	1,307 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	H.D. Miller	Earl Tipton	
Mailing Address:		Yancey County Courthouse	
		Room 11	
Phone Number:	704-675-4043	704-682-3971	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NC

Page:

47

